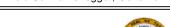
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials

Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter **Report No:** WIR-016601 Address: 333 Burma Road **Date Inspected:** 29-Aug-2010

City: Oakland, CA 94607

OSM Arrival Time: 700 **Project Name:** SAS Superstructure **OSM Departure Time:** 1900 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name: CWI Present: Yes Wang Jie No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A **Electrode to specification:** Yes No Weld Procedures Followed: Yes No N/A **Qualified Welders:** Yes No N/A **Verified Joint Fit-up:** Yes No N/A N/A N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No Yes No N/A **Delayed / Cancelled:**

34-0006 **Bridge No: Component: OBG** and Tower

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector Larry Viars was present during the times noted above for observations relative to the work being performed.

Bay 14-

This QA Inspector observed the following work in progress: Submerged Arc Welding (SAW) of OBG Segment 13CW side panel weld, SEG3015A-010. ZPMC welder was identified as 045270. ZPMC QC was identified as Xia Chun Hui. ZPMC CWI was identified as Wang Jie. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2221-B-L2c-S-2.

Flux Cored Arc Welding (FCAW) of OBG Segment 13CW bottom panel weld, SEG3015A-007. ZPMC welder was identified as 201215. ZPMC QC was identified as Xia Chun Hui. ZPMC CWI was identified as Wang Xu. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2231-B-U2-F.

Flux Cored Arc Welding (FCAW) of OBG Segment 13CW Corner Assembly weld, CA3016A-168. ZPMC welder was identified as 047866. ZPMC CWI was identified as Wang Jie. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2231-B-U2-F.

Bay 19-

This QA Inspector observed the following work in progress: Flux Cored Arc Welding (FCAW) of OBG Suspender

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

Bracket SB78W weld, SB016-078-001. ZPMC welder was identified as 062757. ZPMC QC was identified as Xia Chun Hui. ZPMC CWI was identified Xu Tao. The welding appeared to be in conformance with welding procedure specification, WPS-345-FCAW-1G(1F)-Repair.

West of Blast Bay 1-

Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG Cross Beam 11 internal upper section base metal and weld surfaces. Areas requiring light grinding were marked for ZPMC personnel. Arc strikes were marked for grinding and Magnetic Particle Testing by ZPMC personnel. Items which require repair were recorded for future repair.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Only general conversation between QA and QC occurred this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150 0042 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Viars,Larry	Quality Assurance Inspector
Reviewed By:	McClendon, Timothy	QA Reviewer